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CHANGES TO THIRD DRAFT IN VIEW OF ADDITIONAL COMMENTS

Page 3, line 36, delete "extreme" and insert therefor --state-of-the-art--.

Page 4, line 27, delete "have" and insert therefor --has--.

Page 13, line 3, delete "and" and insert therefor --,--;

line 5, after "material", insert --and maintains cohesion of the cigarette after smoking--;

line 6, after "mat", insert --, preferred because of its thermal stability--.

Page 14, lines 8-9, delete "gum that provides a desirable viscosity" and insert therefor --hydrocolloid which does not interfere with the flavored tobacco response, is water soluble, and has a suitable molecular weight to impart strength to the tobacco web 57--;

line 16, delete "Yankee dryer [SOURCE?]" and insert therefor --drum or Yankee dryer--;PLEASE CONFIRM THAT A YANKEE DRYER IS A GENERIC TERM FOR A DRUM DRYER

line 17, delete "solubles/tobacco fiber" and insert therefor --tobacco solubles/tobacco dust or particulate--;

line 18, delete "2:1 and a 20:1 ratio." and insert therefor --1:1 and a 20:1 ratio. The slurry may also be cast or extruded onto the base mat.--;PLEASE CONFIRM THAT CASTING OR EXTRUDING IS NOT EQUIVALENT TO THE SUBSEQUENTLY MENTIONED "OFF-LINE" COATING

line 33, delete "3% and 9%" and insert therefor --0.5% and 10%--.

DISCUSS HUMECTANT - OUR UNDERSTANDING FROM 8/16/93 MEETING IS AS PRESENTLY WRITTEN. INVENTOR COMMENTS SUGGEST THAT HUMECTANT DOES NOT FACILITATE PROCESSING BY KEEPING THE MAT FLEXIBLE OR DISPERSING FLAVORS, AND THAT ITS ONLY FUNCTION IS AS AN AEROSOL FORMER. ALSO, COATABILITY OF THE SLURRY ON THE BASE MAT IS IMPROVED BY ADDING PECTIN OR ANOTHER HYDROCOLLOID IN THE RANGE OF 0.1-2.0%

Page 16, line 26, after "cavity.", insert --Such perforations have been observed to improve the flavored tobacco response and aerosol formation.--;

line 27, delete "1-2 holes" and insert therefor --1 hole--;

line 28, delete "square millimeter" and insert therefor --1-2 square millimeters--.

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Source: https://www.industrydocuments.ucsf.edu/docs/xmpj0000

Page 17, line 8, after "align", insert --overlap--.

Page 21, line 13, delete "[PLEASE CONFIRM METHOD]".

Page 28, line 2, after "inward bow.", insert -- Preferably, the inwardly bowed shape is formed in the heater elements 43 in a die and press (not shown) prior to shaping the heater assembly 89 into a cylinder.--.

Page 29, lines 3-5, delete "[IS THIS CORRECT? . . . DESCRIBED]" and insert therefor --Because the tobacco web 57 and the outerwrap paper 69 tend to restrict air flow into the cigarette 23 until after a heater element 43 has heated an area of the cigarette, the first puff orifice 143 provides air flow to the area of the heater fixture 39 by the backflow filter 63 of the cigarette. The backflow filter 63 permits sufficient air flow into the cigarette 23 to provide a lower RTD than would otherwise be experienced. After the first puff on the cigarette 23, the heater element 43 that was fired during the first puff has heated an area of the tobacco web 57 and the overwrap paper 69 sufficiently to permit greater air flow through the heated area. Accordingly, the air flow through the first puff orifice 143 and the back flow filter becomes insignificant for puffs on the cigarette 23 after the first puff.--.

Page 34, line 12, before "eight", insert --six or--.

ADDITIONAL INFORMATION DESIRED:

Part Number and manufacturer for optical puff sensor device. Page 9.

Function of humectant (noted above). Pages 14-15.

Description of circuitry. Pages 35-39.

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Source: https://www.industrydocuments.ucsf.edu/docs/xmpj0000

CLAIM 1 (PRESENTLY)

1. A cigarette for use in a smoking system for delivering a flavored tobacco response to a smoker, the system including heating means, the cigarette comprising:

a carrier having first and second ends spaced apart in a longitudinal direction and having first and second surfaces, the first surface defining a cavity between the first and second ends, and the second surface including an area for being disposed adjacent heating means; and

tobacco flavor material disposed on the first surface of the carrier, the tobacco flavor material generating the flavored tobacco response in the cavity for delivery to a smoker when the tobacco flavor material is heated by the heating means,

wherein the carrier and the tobacco flavor material allow transverse air flow into the cavity.

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Source: https://www.industrydocuments.ucsf.edu/docs/xmpj0000

POSSIBLE CHANGES TO CLAIM 1

1. A cigarette for use in a smoking system for delivering a flavored tobacco response to a smoker, the system including heating means, the cigarette comprising:

a carrier having first and second ends spaced apart in a longitudinal direction and having first and second surfaces, the first surface defining a cavity between the first and second ends, and the second surface including an area for being disposed adjacent heating means; [and]

tobacco flavor material disposed on the first surface of the carrier, the tobacco flavor material generating the flavored tobacco response in the cavity for delivery to a smoker when the tobacco flavor material is heated by the heating means; and

means for limiting longitudinal air flow into the cigarette,

wherein the carrier and the tobacco flavor material allow transverse air flow into the cavity.

(requires amendment to claim 3 - e.g., --the limiting means includes a back-flow filter--)

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Source: https://www.industrydocuments.ucsf.edu/docs/xmpj0000

1. A cigarette for use in a smoking system for delivering a flavored tobacco response to a smoker, the system including heating means, the cigarette comprising:

a carrier having first and second ends spaced apart in a longitudinal direction and having first and second surfaces, the first surface defining a cavity between the first and second ends, and the second surface including an area for being disposed adjacent heating means; [and]

tobacco flavor material disposed on the first surface of the carrier, the tobacco flavor material generating the flavored tobacco response in the cavity for delivery to a smoker when the tobacco flavor material is heated by the heating means; and

means for inducing turbulence in a longitudinal flow of air through the cigarette,

wherein the carrier and the tobacco flavor material allow transverse air flow into the cavity.

(requires amendment to claim 7 - e.g., --wherein the turbulence inducing means includes a second free-flow filter . . . --)

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Source: https://www.industrydocuments.ucsf.edu/docs/xmpj0000

CLAIM 15 (PRESENTLY)

15. A lighter for use in combination with a removable cigarette in a smoking system that delivers a flavored tobacco response to a smoker, the lighter comprising:

a heater fixture for receiving, through a first end, a removable cigarette, the heater fixture having means for providing a transverse flow of air to at least a portion of the cigarette; and

a plurality of electrical heater elements disposed in the heater fixture, each of the heater elements having a surface for being disposed adjacent a surface of the portion of the cigarette to which the transverse flow of air is provided; and

means for individually activating the plurality of electrical heating means such that a predetermined quantity of flavored tobacco response is generated in the cigarette,

wherein the transverse flow of air is generated when a smoker draws on a cigarette inserted in the lighter.

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Source: https://www.industrydocuments.ucsf.edu/docs/xmpj0000

POSSIBLE CHANGES TO CLAIM 15

15. A lighter for use in combination with a removable cigarette in a smoking system that delivers a flavored tobacco response to a smoker, the lighter comprising:

a heater fixture for receiving, through a first end, a removable cigarette, the heater fixture having means for providing a transverse flow of air to at least a portion of the cigarette; and

a plurality of electrical heater elements formed from a single piece of resistive material disposed in the heater fixture, each of the heater elements having a surface for being disposed adjacent a surface of the portion of the cigarette to which the transverse flow of air is provided; and

means for individually activating the plurality of electrical heating means such that a predetermined quantity of flavored tobacco response is generated in the cigarette,

wherein the transverse flow of air is generated when a smoker draws on a cigarette inserted in the lighter.

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Source: https://www.industrydocuments.ucsf.edu/docs/xmpj0000

15. A lighter for use in combination with a removable cigarette in a smoking system that delivers a flavored tobacco response to a smoker, the lighter comprising:

a heater fixture for receiving, through a first end, a removable cigarette, the heater fixture having means for providing a transverse flow of air to at least a portion of the cigarette; and

a plurality of electrical heater elements disposed in the heater fixture, each of the heater elements having a surface for being disposed adjacent a surface of the portion of the cigarette to which the transverse flow of air is provided, the surface including a plurality of interconnected S-shaped regions; and

means for individually activating the plurality of electrical heating means such that a predetermined quantity of flavored tobacco response is generated in the cigarette,

wherein the transverse flow of air is generated when a smoker draws on a cigarette inserted in the lighter.

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Source: https://www.industrydocuments.ucsf.edu/docs/xmpj0000

15. A lighter for use in combination with a removable cigarette in a smoking system that delivers a flavored tobacco response to a smoker, the lighter comprising:

a heater fixture for receiving, through a first end, a removable cigarette, the heater fixture having means for providing a transverse flow of air to at least a portion of the cigarette; and

a plurality of radially arranged electrical heater elements disposed in the heater fixture, each of the heater elements having a portion of a surface for being disposed adjacent a surface of the portion of the cigarette to which the transverse flow of air is provided, the portion of the surface of the heater elements being bowed radially inward toward an axial centerline of the heater fixture; and

means for individually activating the plurality of electrical heating means such that a predetermined quantity of flavored tobacco response is generated in the cigarette,

wherein the transverse flow of air is generated when a smoker draws on a cigarette inserted in the lighter.

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Source: https://www.industrydocuments.ucsf.edu/docs/xmpj0000